

U.S. DEPARTMENT OF LABO
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME E. I. du Pont de Nemours & Co., Inc.		EMERGENCY TELEPHONE NO. (302) 774-7500
ADDRESS (Number, Street, City, State, and ZIP Code) DuPont, F&F Wilmington, Delaware 19898		
CHEMICAL NAME AND SYNONYMS N.A.		TRADE NAME AND SYNONYMS N.A.
CHEMICAL FAMILY Stencil Paste - Black	FORMULA 24-793 (7/25/77)	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
Approx.		PPM	METALLIC COATINGS		
SOLVENTS Aliphatic Pet. Dist*	2	400	FILLER METAL PLUS COATING OR CORE FLUX		
Aromatic Pet. Dist**	19	100	OTHERS		
OTHERS			Approximate		Mg/M ³
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Lead as metal from drier on total wt. of paste				0.3	0.15

SECTION III - PHYSICAL DATA

BOILING POINT (°F.) Approx. Range	275-426	SPECIFIC GRAVITY (H ₂ O=1)	1.115
VAPOR PRESSURE (mm Hg.) Principal Solvent	10	PERCENT VOLATILE BY VOLUME (%)	27.2
VAPOR DENSITY (AIR=1) Principal Solvent	3.7	EVAPORATION RATE (Ether = 1) Slower than	Ether
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR Viscous black liquid; mild solvent odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) Between 140° & 200°F (C.C.)	FLAMMABLE LIMITS Approximate	Lel 1.0	Uel 7.0
EXTINGUISHING MEDIA Foam, Carbon Dioxide, Dry Chemical			
SPECIAL FIRE FIGHTING PROCEDURES Water from fog nozzles may be used to cool closed containers to prevent pressure build-up when exposed to extreme heat.			
UNUSUAL FIRE AND EXPLOSION HAZARDS N.A.			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE *By analogy to Heptane & Octane

See Section II ** " " " Xylene

EFFECTS OF OVEREXPOSURE

Headache, nausea, impairment of reaction time and coordination

EMERGENCY AND FIRST AID PROCEDURES

Inhalation - Move to fresh air to restore breathing.

Skin contact - Wash with soap and water. Remove contaminated clothing.

Eye contact - Flush with water for at least 15 minutes; call a physician

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	N.A.

INCOMPATIBILITY (Materials to avoid)

None reasonably foreseeable

HAZARDOUS DECOMPOSITION PRODUCTS

CO, CO₂, Smoke and oxides of leadHAZARDOUS
POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

X

CONDITIONS TO AVOID

N.A.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Avoid prolonged contact with skin and breathing of vapor.

Remove sources of ignition. Remove with inert absorbent and non-sparking tools.

Ventilate area.

WASTE DISPOSAL METHOD

Disposal method must comply with Local, State, and Federal Regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Use adequate ventilation. A cartridge-type respirator, used in accordance with the
RESPIRATORY PROTECTION (Specify type) manufacturer directions is recommended if engineering and
administrative controls of air contaminants is not feasible.

VENTILATION

LOCAL EXHAUST

Provide sufficient ventilation to keep

MECHANICAL (General)

below given TLV & LEL

SPECIAL

Remove sources of ignition

OTHER

N.A.

PROTECTIVE GLOVES

Use for prolonged or repeated contact

EYE PROTECTION

Use safety eyewear to prevent splashes

OTHER PROTECTIVE EQUIPMENT

Use appropriate industrial hygiene practices

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from heat, sparks, and open flame. Close container after each use.

Do not store above 120°F.

OTHER PRECAUTIONS

Wash thoroughly after handling and before eating or smoking.

Observe Label Precautions. Containers should be grounded when pouring.

NOTICE FROM DUPONT

PAGE (2)

GPO 930-340

"The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process."

Form OSHA-20
Rev. May 72